1. Check out ETSS1.5 from the repository:
   1. cd to your working directory
   2. svn co <https://collaborate3.nws.noaa.gov/svn/etss/gfs_stormsurge/trunk>/ etss1.5
2. Build and Install the ETSS1.5 codes

* $ cd etss1.5/sorc
* $ make install

1. Run the model

* $ cd ../
* $ ./runETSS.sh YYYYMMDD XX

where: YYYYMMDD is date (e.g 20140520),

XX is cycle (00, 06, 12, 18)

This does the following:

1. Copies input data from /com to the etss1.5/work/com test directory structure.
2. Copies production’s current answers from /pcom and /com to etss1.5/work/pcom and /com for comparsion.
3. Runs etss1.5/myEcf/jgfs\_stormsurge.ecf to run the model.

* Example: run the model for May 20, 2014 00Z cycle:
  + $ ./runETSS.sh 20140520 00
* (Caution:You need make sure the GFS wind output data is available before you run the ETSS model. MDL found that the GFS output is delayed by between 4 to 5 hours, so we assume a 4 hours 50 minutes delay)

1. Compare the following to validate the ETSS 1.5 model runs...

* The ETSS1.5 model low resolution output grids (5 km CONUS and 6 km for AK) results are saved in GRIB2 format here for direct comparison with the ETSS1.0 model results:
  + etss1.5/work/pcom/gfs/grib2.mdlsurgegrid.${cyc}${area}.gfs\_stormsurge\_${cyc}
* The operational ETSS1.0 model results are here:
  + etss1.5/work/pcom/ans/grib2.mdlsurgegrid.${cyc}${area}.gfs\_stormsurge\_${cyc}
* The ETSS1.5 model high resolution output grids (2.5 km CONUS and 3 km for AK) results are also saved in GRIB2 format in the same folder as the low resolution output:
  + etss1.5/work/pcom/gfs/grib2.mdlsurgegrid.2.5km.${cyc}con.gfs\_stormsurge\_${cyc}
  + etss1.5/work/pcom/gfs/grib2.mdlsurgegrid.3km.${cyc}ala.gfs\_stormsurge\_${cyc}

1. Within the working folder (etss1.5/work/tmp/gfs\_stormsurge\_${cyc}.{jobid}) these files are:

* grib2.mdlsurgegrid.${cyc}${area}
* grib2.mdlsurgegrid.2.5km.${cyc}con
* grib2.mdlsurgegrid.3km.${cyc}ala